



CITY OF HAYWARD
AGENDA REPORT

AGENDA DATE 09/11/01
AGENDA ITEM 7
WORK SESSION ITEM

TO: Mayor and City Council

FROM: Director of Public Works

SUBJECT: Authorization for the City Manager to Execute a Professional Services Agreement with Brown and Caldwell for a Preliminary Facilities Planning Study for the Water Pollution Control Facility

RECOMMENDATION:

It is recommended that the City Council approve the attached resolutions that:

1. Authorize the City Manager to execute a professional services agreement with Brown and Caldwell for a Preliminary Facilities Planning Study for the Water Pollution Control Facility; and
2. Appropriate \$90,000 from the Wastewater Operation Fund's working capital balance.

BACKGROUND:

In September 2000, the City Council approved the execution of an agreement with Brown and Caldwell to prepare a Master Plan for the City's Water Pollution Control Facility (WPCF). The Master Plan was needed to assess the efficiency, reliability, and redundancy of the plant facilities, and to address future needs to ensure that the plant is capable of handling increased biological loading from residential and industrial growth. The Master Plan confirmed that certain processes must be improved so that the WPCF can meet current and future discharge requirements, and many of the recommended projects have been included in the five-year capital improvement program.

The WPCF Master Plan, which recommended certain improvements to achieve reliability and redundancy, was an important first step in the overall effort to ensure the City's compliance with discharge requirements. Development of a Facilities Planning Study is the next key step in this effort and involves looking at the actual physical layout of the recommended improvements so that recommended facilities are sited for maximum efficiency and integration with existing and future process units. Siting for future improvements is only conceptual at the Master Plan stage. This Planning Study will identify facility locations, layout, major pipe routings, electrical power supply requirements, process drainage requirements, and site-wide design standards.

The Facilities Planning Study is an excellent opportunity to integrate planned facilities with those necessary for the proposed Advanced Water Treatment (AWT) facility, which is being designed to provide recycled wastewater to the proposed Russell City Energy Center for use as cooling water. Preparing a Facilities Planning Study at this time will allow the AWT design process to move forward in such a way that it will be effectively integrated with the entire wastewater treatment process.

The consulting firm of Brown and Caldwell is best qualified to prepare the Preliminary Facilities Planning Study because of its preparation of the WPCF Master Plan. Brown and Caldwell staff worked closely with City staff to review plant processes, and thus is very familiar with the existing plant, as well as the planned improvements. In addition, Brown and Caldwell has assisted the City in discussions with Calpine/Bechtel regarding the AWT and is knowledgeable about the proposed advanced wastewater treatment plant.

Scope of Work

The scope of work for the Preliminary Facilities Planning Study includes:

- Development of a site plan to establish coordinated locations for major new facilities;
- Development of a piping plan for major pipe routes;
- Development of an electric power supply plan to review existing power supply infrastructure and to identify deficiencies and power requirements for new facilities; and
- Preparation of design standards to guide design criteria, equipment selection, and system materials when new facilities are constructed.

Funding

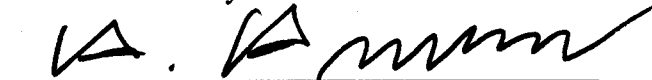
The cost of the work described will not exceed \$90,000, including any approved additional services. Sufficient funds are available in the Wastewater Operating Fund working capital balance.

Prepared by:



Alex Ameri, Deputy Director of Public Works

Recommended by:



Dennis L. Butler, Director of Public Works

Approved by:



Jesús Armas, City Manager

DRAFT

HAYWARD CITY COUNCIL

RESOLUTION NO. _____

Introduced by Council Member _____

**RESOLUTION AUTHORIZING THE CITY MANAGER
TO EXECUTE AN AGREEMENT BETWEEN THE CITY
OF HAYWARD AND BROWN AND CALDWELL FOR
PROFESSIONAL SERVICES TO PREPARE A
PRELIMINARY FACILITIES PLANNING STUDY FOR
THE WATER POLLUTION CONTROL FACILITY
IMPROVEMENTS**

BE IT RESOLVED by the City Council of the City of Hayward that the City Manager is hereby authorized and directed to execute on behalf of the City of Hayward an agreement with Brown and Caldwell for professional services to prepare a preliminary Facilities Planning Study for the Water Pollution Control Facility Improvements, in an amount not to exceed \$90,000, in a form to be approved by the City Attorney.

IN COUNCIL, HAYWARD, CALIFORNIA _____, 2001

ADOPTED BY THE FOLLOWING VOTE:

AYES:

NOES:

ABSTAIN:

ABSENT:

ATTEST: _____
City Clerk of the City of Hayward

APPROVED AS TO FORM:

City Attorney of the City of Hayward

DRAFT

HAYWARD CITY COUNCIL

RESOLUTION NO. _____

Introduced by Council Member _____

RESOLUTION AMENDING RESOLUTION 01-095, AS
AMENDED, THE BUDGET RESOLUTION FOR
OPERATING BUDGET FOR FISCAL YEAR 2001-02,
RELATING TO AN APPROPRIATION OF FUNDS FOR
PROFESSIONAL SERVICES FOR A PRELIMINARY
FACILITIES PLANNING STUDY RELATED TO WATER
POLLUTION CONTROL FACILITY IMPROVEMENTS

BE IT RESOLVED by the City Council of the City of Hayward that
Resolution No.01-095, as amended, the Budget Resolution for the Operating Budget for
fiscal year 2001-02, is hereby further amended by appropriating \$90,000 from the
Wastewater Operating Fund's working capital balance, Fund 612, to the Wastewater
Operating Fund 612, Activity 3101, Special Services.

IN COUNCIL, HAYWARD, CALIFORNIA _____, 2001

ADOPTED BY THE FOLLOWING VOTE:

AYES:

NOES:

ABSTAIN:

ABSENT:

ATTEST: _____
City Clerk of the City of Hayward

APPROVED AS TO FORM:

City Attorney of the City of Hayward